

4.2.M. 05130203130.

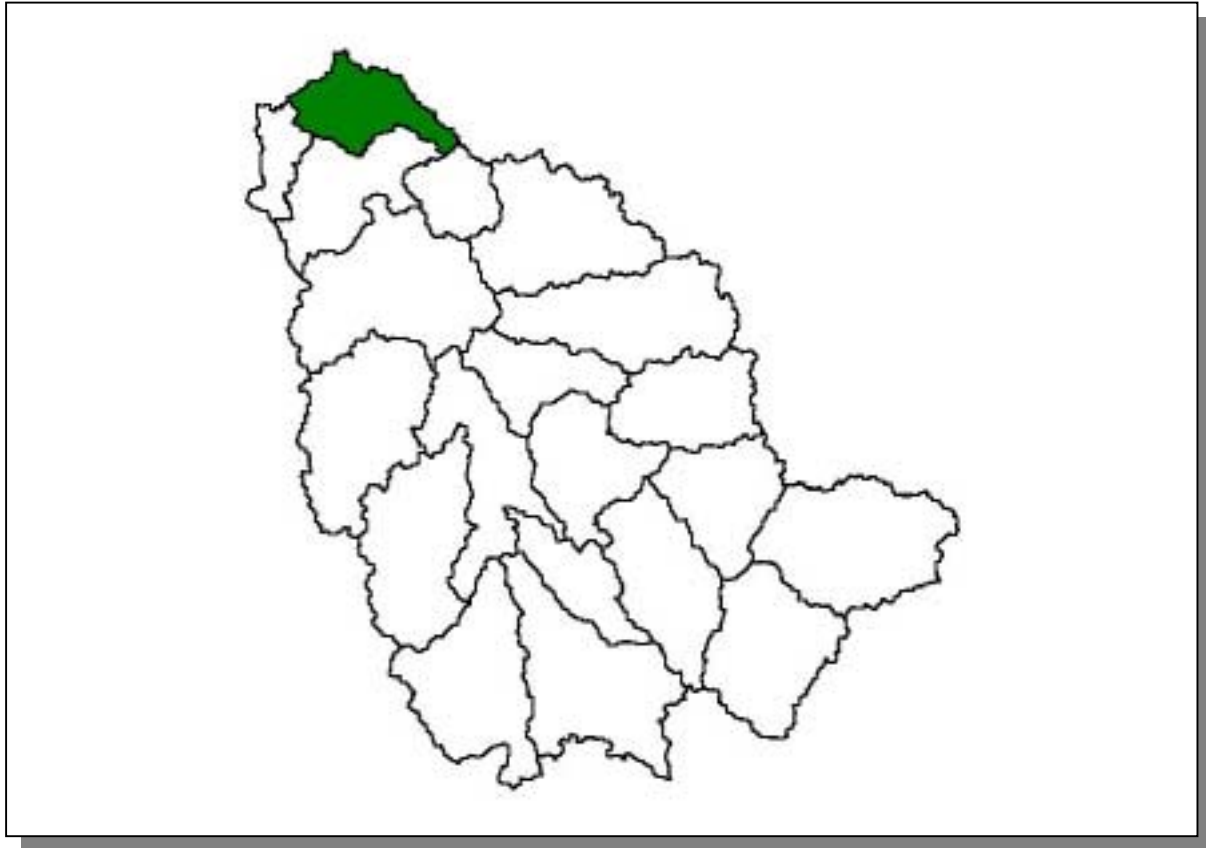


Figure 4-73. Location of Subwatershed 05130203130. All Stones HUC-14 subwatershed boundaries are shown for reference.

4.2.M.i. General Description.

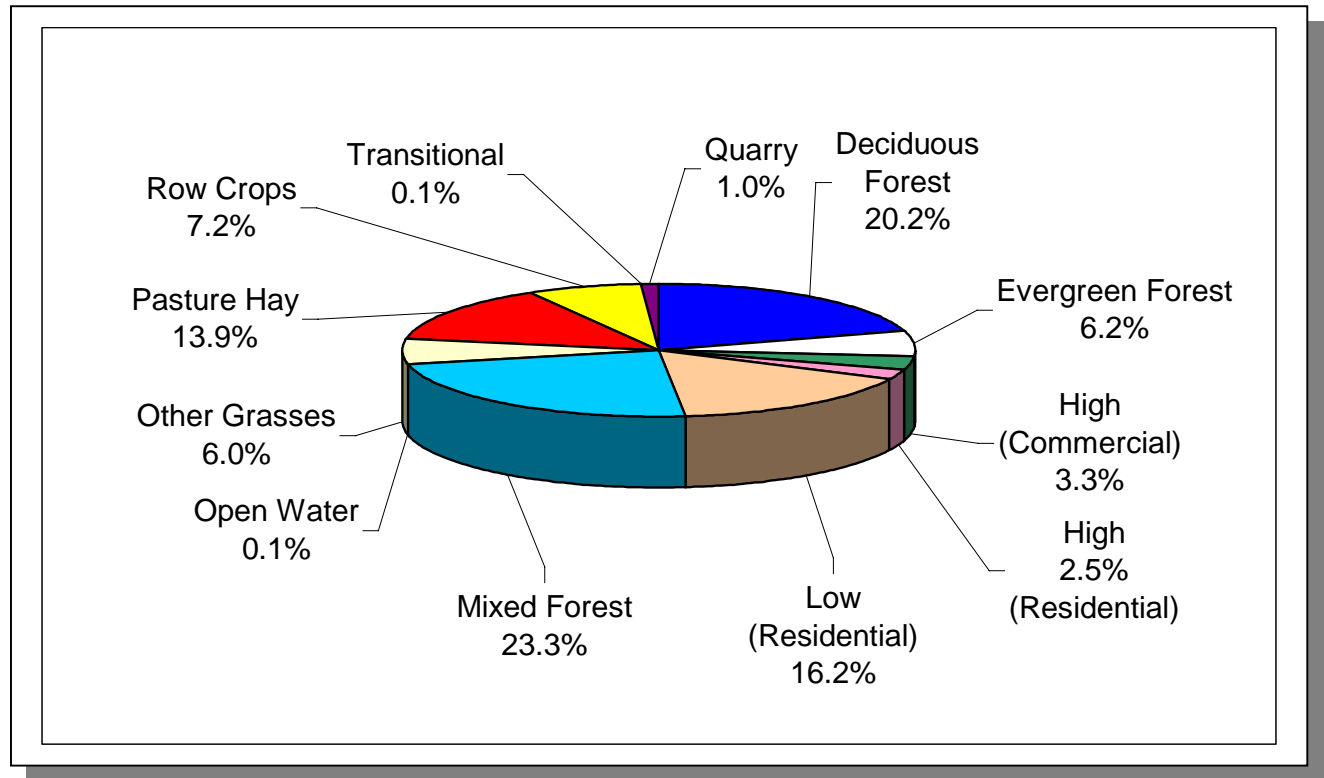


Figure 4-74. Land Use Distribution in Subwatershed 05130203130. More information is provided in Stones-Appendix IV.

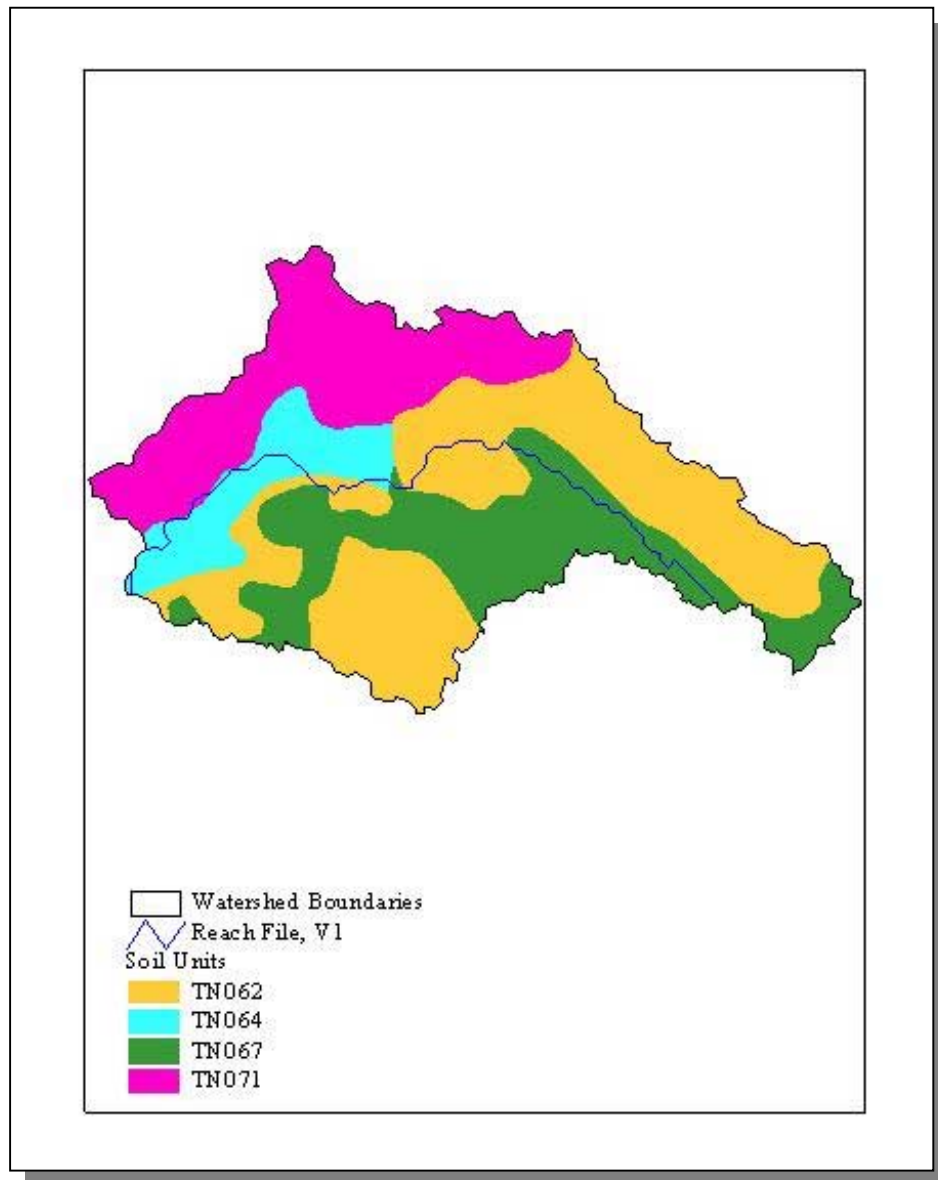


Figure 4-75. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203130.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN062	0.00	C	0.98	4.40	Clayey Loam	0.26
TN064	7.00	C	1.19	5.82	Silty Loam	0.37
TN067	2.00	C	2.69	5.51	Silty Loam	0.35
TN071	0.00	C	2.37	5.70	Silty Loam	0.33

Table 4-78. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203130. More information is provided in Stones-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Davidson	510,784	535,032	2.93	14,953	15,662	4.7
Wilson	67,675	81,327	2.53	1,710	2,056	20.2
Totals	578,459	616,359		16,663	17,718	6.3

Table 4-79. Population Estimates in Subwatershed 05130203130.

NUMBER OF HOUSING UNITS						
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Mount Juliet	Wilson	5,389	1,926	1,265	661	0
Nashville (remainder)	Davidson	488,518	219,521	203,640	15,576	305
Total		493,907	221,447	204,905	16,237	305

Table 4-80. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130203130.

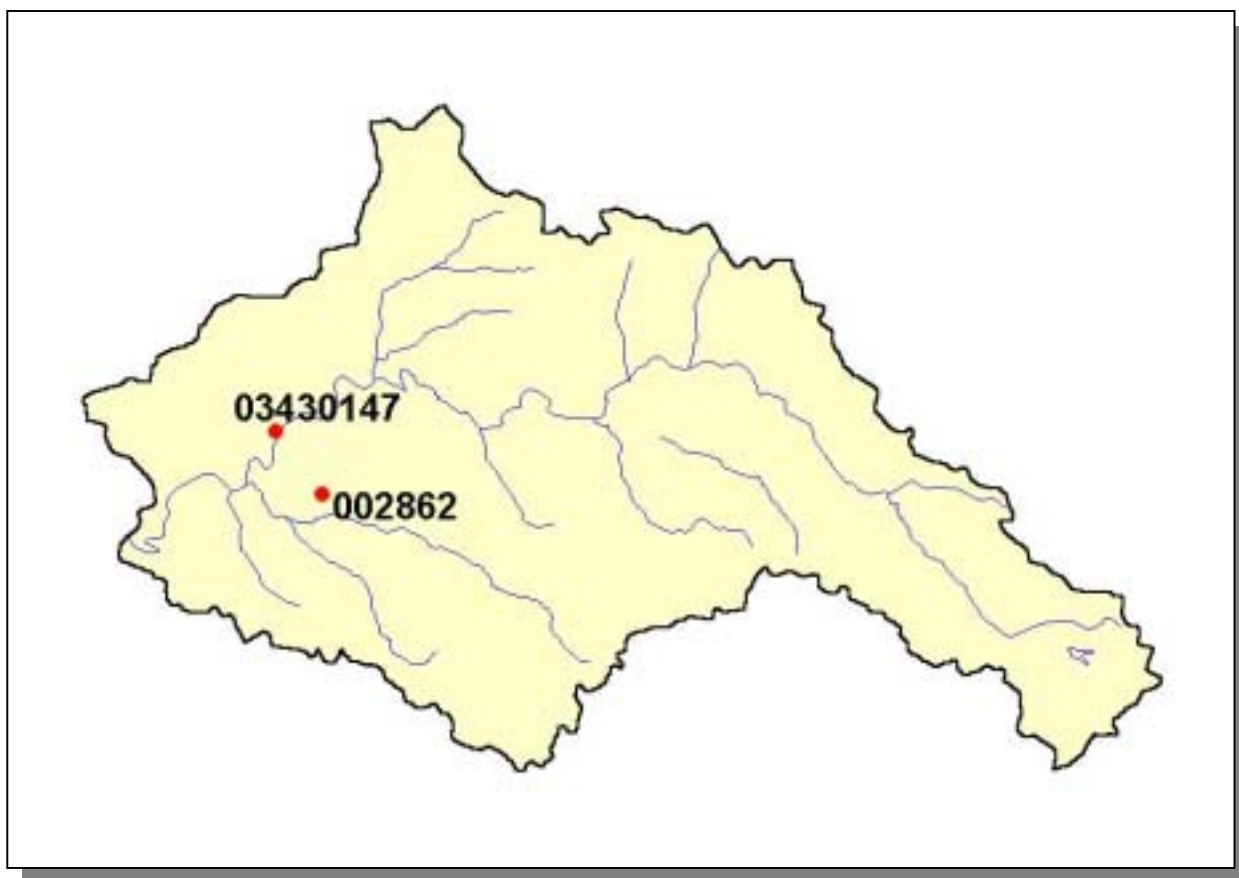


Figure 4-76. Location of STORET Monitoring Sites in Subwatershed 05130203130. More information is provided in Stones-Appendix IV.

4.2.M.ii. Point Source Contributions.



Figure 4-77. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130203130. More information, including the names of facilities, is provided in Stones-Appendix IV.

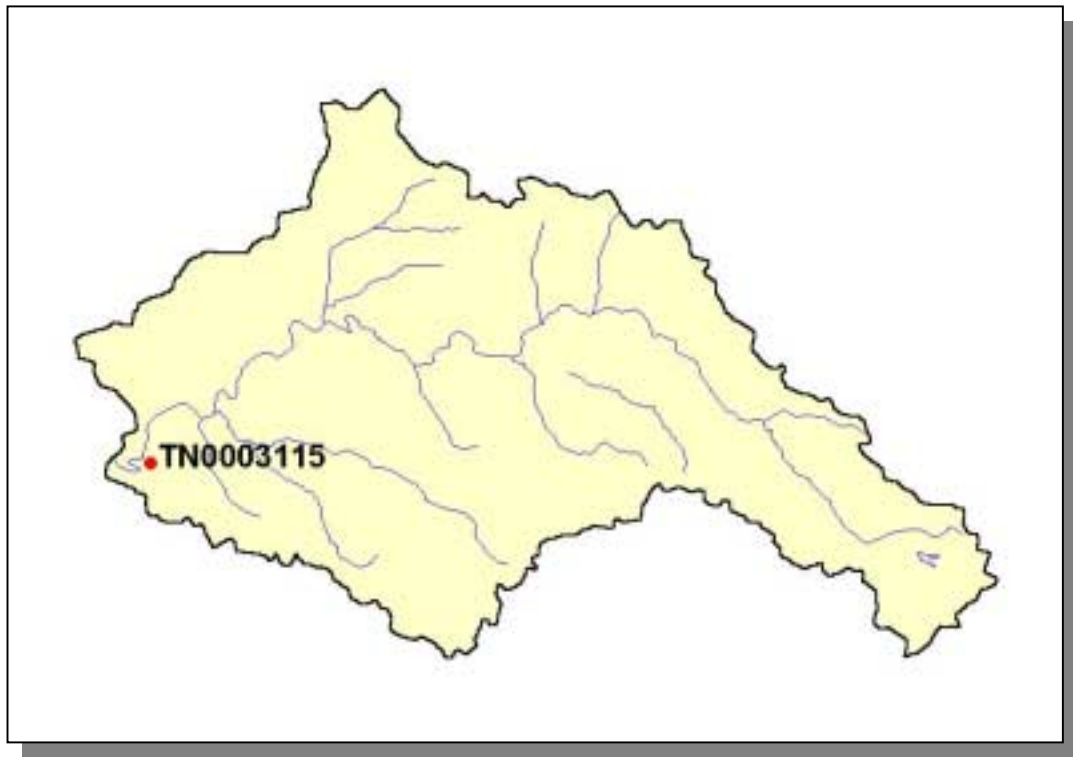


Figure 4-78. Location of Active Mining Sites in Subwatershed 05130203130. More information, including the names of facilities, is provided in Stones-Appendix IV.

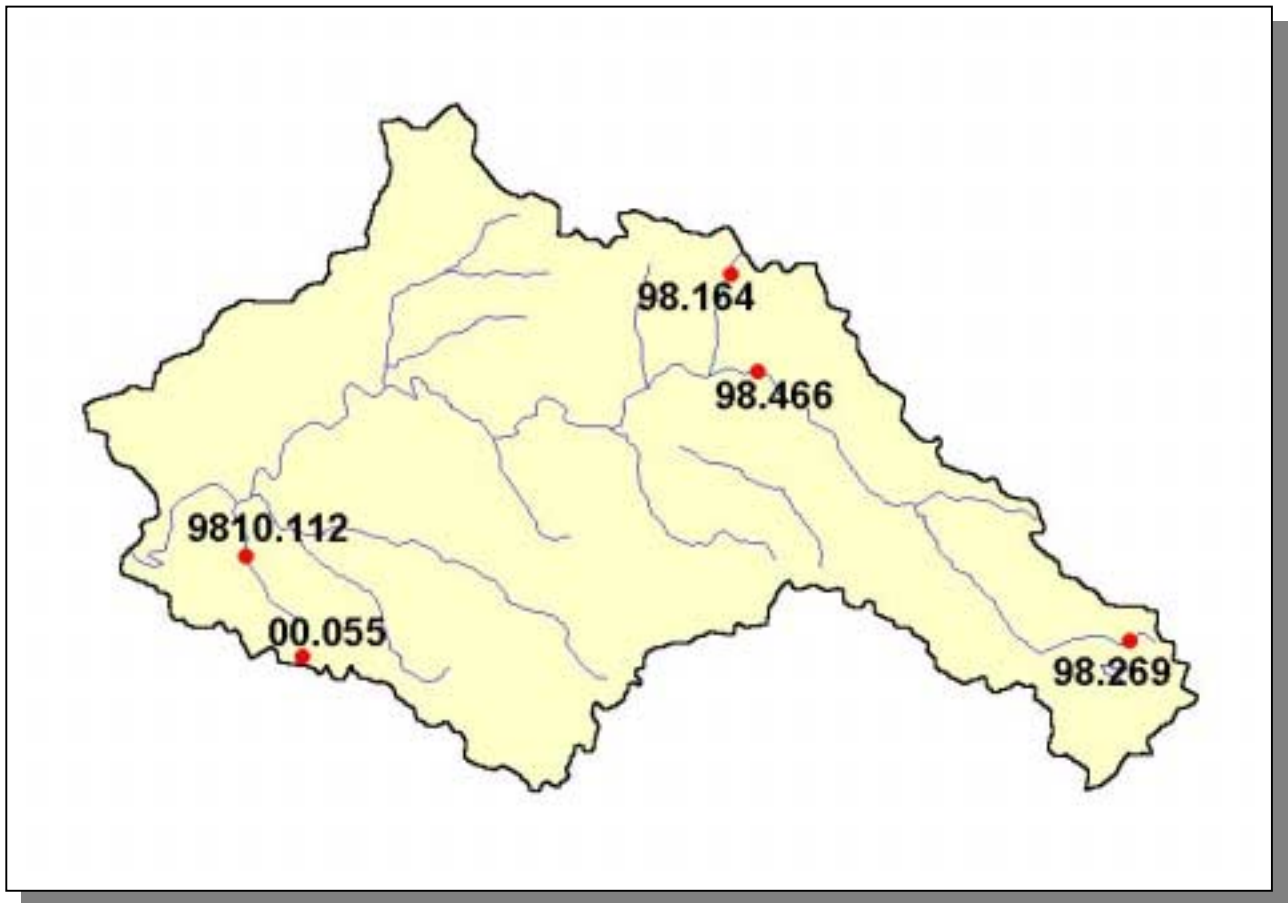


Figure 4-79. Location of ARAP Sites (Individual Permits) in Subwatershed 05130203130.
More details may be found in Stones-Appendix IV.

4.2.M.ii.a. Dischargers to Waterbodies Listed on the 1998 303(d) List.

There is one NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 05130203130:

- TN0060119 discharges to a tributary to the Stones River @ RM 4.2



Figure 4-80. Location of NPDES Discharger to Water Bodies Listed on the 1998 303(d) List in Subwatershed 05130203130. The names of facilities are provided in Stones-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QLTA
TN0060119	0	0	0	0.0025

Table 4-81. Receiving Stream Flow Information for NPDES Dischargers to Water Bodes Listed on the 1998 303(d) List in Subwatershed 05130203130. Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

4.2.M.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
539	1,663	30	<5	39	9

Table 4-82. Summary of Livestock Count Estimates in Subwatershed 05130203130.
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Davidson	108.7	108.1	2.3	9.7
Wilson	98.1	97.0	1.7	6.8
Total	206.8	205.1	4.0	16.5

Table 4-83. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 05130203130.

CROP	TONS/ACRE/YEAR
Soybeans (Row Crops)	11.00
Grass (Pastureland)	0.43
Non Agricultural Land Use	0.00
All Other Close Grown Cropland	2.37
Grass (Hayland)	0.22
Grass, Forbs, Legumes Mixed Pasture)	0.72
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.30
Corn (Row Crops)	2.22
Forest Land (Grazed)	0.00
Tobacco (Row Crops)	19.23
Wheat (Close Grown Cropland)	1.96
Legume Grass (Hayland)	0.37

Table 4-84. Annual Estimated Total Soil Loss in Subwatershed 05130203130.